

ABSTRACTRECONFIGURATION METHOD APPLICABLE TO A NETWORK OF
IDENTICAL FUNCTIONAL ELEMENTS

This invention relates to a method for reconfiguring a network of parallel functional elements tolerant to the faults of these functional elements including said basic functional elements (P), spare
5 functional elements (Sp), interconnecting elements (Cm) of these functional elements and a control unit, said method comprising:

- a step of positioning the functional elements of the logic network on the physical network;

10 - a routing step of programming interconnecting elements on the physical network, by choosing a maximum number of interconnecting elements which can be passed between two neighbouring processors using a shortest track search algorithm.

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Fig. 4